

Title (en)

DRIVING DYNAMICS REGULATION SYSTEM ADAPTED TO THE ROLLING BEHAVIOUR OF A VEHICLE

Title (de)

AN DAS WANKVERHALTEN EINES FAHRZEUGS ANGEPASSTES FAHRDYNAMIKREGELUNGSSYSTEM

Title (fr)

SYSTEME DE REGULATION DU COMPORTEMENT DYNAMIQUE D'UN VEHICULE EN FONCTION DE LA TENDANCE AU ROULIS

Publication

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Application

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Abstract (en)

[origin: WO2005007426A1] The invention relates to a device and a method for stabilising a vehicle in a rollover-critical situation, whereby different regulator input variables (ay,day/dt,P) are detected by means of a sensor system (2, 6), and a rollover stabilising algorithm (4, 5) intervenes in the operation of the vehicle by means of an actuator (3, 9, 10), for the stabilisation of the vehicle. In order to take into account different loading states of the vehicle, a rolling tendency (KI) of the vehicle is estimated from the relation between a variable (Lw) describing the steering behaviour of the vehicle and a variable (W) describing the rolling behaviour of the vehicle, and said rolling tendency is taken into account during the stabilisation of the rolling.

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IPC 8 full level

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